

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/538,410  
Source: PLT  
Date Processed by STIC: 03/14/2006

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 03/14/2006

PATENT APPLICATION: US/10/538,410

TIME: 10:38:24

Input Set : A:\PTO.DA.txt

Output Set: N:\CRF4\03142006\J538410.raw

3 <110> APPLICANT: Keio University  
 5 <120> TITLE OF INVENTION: PROTEIN FORMING COMPLEX WITH c-Fos PROTEIN, NUCLEIC ACID  
 ENCODING THE  
 6 SAME AND METHOD OF USING THE SAME  
 8 <130> FILE REFERENCE: P393-OP1718  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/538,410  
 C--> 10 <141> CURRENT FILING DATE: 2005-06-10  
 10 <150> PRIOR APPLICATION NUMBER: JP 2002-360046  
 11 <151> PRIOR FILING DATE: 2002-12-11  
 13 <160> NUMBER OF SEQ ID NOS: 191  
 15 <170> SOFTWARE: PatentIn version 3.0  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 184  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Mus musculus  
 22 <400> SEQUENCE: 1  
 23 Met Pro Leu Arg His Leu Ala Asp Arg Leu Gly His Leu Ala Asp Arg  
 24 1 5 10 15  
 25 Leu Arg His Leu Thr Asp Arg Leu Arg His Leu Ala Asp Arg Leu Arg  
 26 20 25 30  
 27 His Leu Thr Asp Arg Leu Arg His Leu Ala Asp Arg Leu Arg His Leu  
 28 35 40 45  
 29 Ala Asp Arg Leu Lys His Leu Thr Ser Arg Leu Gly His Leu Thr Asp  
 30 50 55 60  
 31 Arg Ser Trp His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu  
 32 65 70 75 80  
 33 Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Gln Arg Tyr  
 34 85 90 95  
 35 Leu Ala Asp Arg Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr  
 36 100 105 110  
 37 Asp Arg Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg  
 38 115 120 125  
 39 Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Met  
 40 130 135 140  
 41 His Leu Thr Asp Arg Leu Arg His Leu Ala Asp Arg Gln Arg His Leu  
 42 145 150 155 160  
 43 Ala Asp Arg Gln Arg His Leu Ala Asp Arg Leu Arg His Leu Ala Asp  
 44 165 170 175  
 45 Lys Leu Arg His Gln Leu Gln Leu  
 46 180  
 48 <210> SEQ ID NO: 2  
 49 <211> LENGTH: 55  
 50 <212> TYPE: PRT  
 51 <213> ORGANISM: Mus musculus

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53 &lt;400&gt; SEQUENCE: 2

54 Asp Lys Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg

55 1 5 10 15

56 Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Met

57 20 25 30

58 His Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Leu Arg His Leu

59 35 40 45

60 Ala Asp Arg Gln Arg His Asp

61 50 55

63 &lt;210&gt; SEQ ID NO: 3

64 &lt;211&gt; LENGTH: 55

65 &lt;212&gt; TYPE: PRT

66 &lt;213&gt; ORGANISM: Mus musculus

68 &lt;400&gt; SEQUENCE: 3

69 Asp Arg Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg

70 1 5 10 15

71 Leu Arg His Leu Thr Asp Arg Leu Gly His Val Thr Asp Arg Leu Met

72 20 25 30

73 His Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Leu Arg His Leu

74 35 40 45

75 Ala Asp Arg Gln Arg His Asp

76 50 55

78 &lt;210&gt; SEQ ID NO: 4

79 &lt;211&gt; LENGTH: 38

80 &lt;212&gt; TYPE: PRT

81 &lt;213&gt; ORGANISM: Mus musculus

83 &lt;400&gt; SEQUENCE: 4

84 Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Arg His Leu Thr Asp

85 1 5 10 15

86 Arg Leu Gly His Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Leu

87 20 25 30

88 Ser His Pro Thr Gln Thr

89 35

91 &lt;210&gt; SEQ ID NO: 5

92 &lt;211&gt; LENGTH: 45

93 &lt;212&gt; TYPE: PRT

94 &lt;213&gt; ORGANISM: Mus musculus

96 &lt;400&gt; SEQUENCE: 5

97 Asp Arg Leu Gly His Leu Thr Asp Arg Leu Lys His Leu Thr Asp Arg

98 1 5 10 15

99 Leu Gly His Leu Thr Asp Arg Leu Val His Leu Thr Asp Arg Leu Met

100 20 25 30

101 His Leu Thr Asp Arg Leu Arg His Leu Ala Val Arg Gln

102 35 40 45

104 &lt;210&gt; SEQ ID NO: 6

105 &lt;211&gt; LENGTH: 55

106 &lt;212&gt; TYPE: PRT

107 &lt;213&gt; ORGANISM: Mus musculus

109 &lt;400&gt; SEQUENCE: 6

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110 Asp Lys Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg
111 1          5          10          15
112 Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Met
113          20          25          30
114 His Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Leu Arg His Leu
115          35          40          45
116 Ala Asp Arg Arg Arg His Asp
117          50          55
119 <210> SEQ ID NO: 7
120 <211> LENGTH: 55
121 <212> TYPE: PRT
122 <213> ORGANISM: Mus musculus
124 <400> SEQUENCE: 7
125 Asp Lys Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg
126 1          5          10          15
127 Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Met
128          20          25          30
129 His Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Pro Arg His Leu
130          35          40          45
131 Ala Asp Arg Gln Arg His Asp
132          50          55
134 <210> SEQ ID NO: 8
135 <211> LENGTH: 55
136 <212> TYPE: PRT
137 <213> ORGANISM: Mus musculus
139 <400> SEQUENCE: 8
140 Asp Lys Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg
141 1          5          10          15
142 Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Met
143          20          25          30
144 His Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Leu Gly His Leu
145          35          40          45
146 Ala Asp Arg Gln Arg His Asp
147          50          55
149 <210> SEQ ID NO: 9
150 <211> LENGTH: 45
151 <212> TYPE: PRT
152 <213> ORGANISM: Mus musculus
154 <400> SEQUENCE: 9
155 Asp Arg Leu Gly His Leu Thr Asp Arg Leu Lys His Leu Thr Asp Arg
156 1          5          10          15
157 Leu Gly His Leu Thr Asp Arg Leu Ile His Leu Thr Asp Arg Leu Met
158          20          25          30
159 His Leu Thr Asp Arg Leu Arg His Leu Ala Val Arg Gln
160          35          40          45
162 <210> SEQ ID NO: 10
163 <211> LENGTH: 38
164 <212> TYPE: PRT
165 <213> ORGANISM: Mus musculus

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Input Set : A:\PTO.DA.txt

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167 <400> SEQUENCE: 10
168 Gly His Leu Thr Asp Arg Leu Arg His Leu Thr Asp Arg Leu Gly His
169 1 5 10 15
170 Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Leu Met His Leu Thr
171 20 25 30
172 Asp Arg Leu Arg Gln Arg
173 35
175 <210> SEQ ID NO: 11
176 <211> LENGTH: 31
177 <212> TYPE: PRT
178 <213> ORGANISM: Mus musculus
180 <400> SEQUENCE: 11
181 Gly His Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Leu Met His
182 1 5 10 15
183 Leu Thr Asp Arg Leu Arg His Leu Ala Asp Arg Gln Arg His Asp
184 20 25 30
186 <210> SEQ ID NO: 12
187 <211> LENGTH: 38
188 <212> TYPE: PRT
189 <213> ORGANISM: Mus musculus
191 <400> SEQUENCE: 12
192 Thr Asp Gly Leu Gly His Leu Thr Asp Arg Leu Arg His Leu Thr Asp
193 1 5 10 15
194 Arg Leu Gly His Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Leu
195 20 25 30
196 Arg His Leu Ala Asp Gln
197 35
199 <210> SEQ ID NO: 13
200 <211> LENGTH: 45
201 <212> TYPE: PRT
202 <213> ORGANISM: Mus musculus
204 <400> SEQUENCE: 13
205 Asp Arg Leu Gly His Leu Thr Asp Ile Leu Lys His Leu Thr Asp Arg
206 1 5 10 15
207 Leu Gly His Leu Thr Asp Arg Leu Ile His Leu Thr Asp Arg Leu Met
208 20 25 30
209 His Leu Thr Asp Arg Leu Arg His Leu Ala Val Arg Gln
210 35 40 45
212 <210> SEQ ID NO: 14
213 <211> LENGTH: 55
214 <212> TYPE: PRT
215 <213> ORGANISM: Mus musculus
217 <400> SEQUENCE: 14
218 Asp Lys Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg
219 1 5 10 15
220 Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Met
221 20 25 30
222 Arg Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Leu Arg His Leu
223 35 40 45

```

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Input Set : A:\PTO.DA.txt

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224 Ala Asp Arg Gln Arg His Asp
225      50                      55
227 <210> SEQ ID NO: 15
228 <211> LENGTH: 281
229 <212> TYPE: PRT
230 <213> ORGANISM: Mus musculus
232 <400> SEQUENCE: 15
233 Met Ala Thr Asn Phe Leu Ala His Glu Lys Ile Trp Phe Asp Lys Phe
234 1      5                      10                      15
235 Lys Tyr Asp Asp Ala Glu Arg Arg Phe Tyr Glu Gln Met Asn Gly Pro
236      20                      25                      30
237 Val Thr Ser Gly Ser Arg Gln Glu Asn Gly Ala Ser Val Ile Leu Arg
238      35                      40                      45
239 Asp Ile Ala Arg Ala Arg Glu Asn Ile Gln Lys Ser Leu Ala Gly Ser
240      50                      55                      60
241 Ser Gly Pro Gly Ala Ser Ser Gly Pro Gly Gly Asp His Ser Glu Leu
242 65      70                      75                      80
243 Ile Val Arg Ile Thr Ser Leu Glu Val Glu Asn Gln Asn Leu Arg Gly
244      85                      90                      95
245 Val Val Gln Asp Leu Gln Gln Ala Ile Ser Lys Leu Glu Ala Arg Leu
246      100                     105                     110
247 Ser Ser Leu Glu Lys Ser Ser Pro Thr Pro Arg Ala Thr Ala Pro Gln
248      115                     120                     125
249 Thr Gln His Val Ser Pro Met Arg Gln Val Glu Pro Pro Thr Lys Lys
250      130                     135                     140
251 Gly Ala Thr Pro Ala Glu Asp Asp Glu Asp Lys Asp Ile Asp Leu Phe
252 145      150                     155                     160
253 Gly Ser Asp Glu Glu Glu Asp Lys Glu Ala Ala Arg Leu Arg Glu
254      165                     170                     175
255 Glu Arg Leu Arg Gln Tyr Ala Glu Lys Lys Ala Lys Lys Pro Thr Leu
256      180                     185                     190
257 Val Ala Lys Ser Ser Ile Leu Leu Asp Val Lys Pro Trp Asp Asp Glu
258      195                     200                     205
259 Thr Asp Met Ala Gln Leu Glu Thr Cys Val Arg Ser Ile Gln Leu Asp
260      210                     215                     220
261 Gly Leu Val Trp Gly Ala Ser Lys Leu Val Pro Val Gly Tyr Gly Ile
262 225      230                     235                     240
263 Arg Lys Leu Gln Ile Gln Cys Val Val Glu Asp Asp Lys Val Gly Thr
264      245                     250                     255
265 Asp Leu Leu Glu Glu Glu Ile Thr Lys Phe Glu Glu His Val Gln Ser
266      260                     265                     270
267 Val Asp Ile Ala Ala Phe Asp Lys Ile
268      275                     280
270 <210> SEQ ID NO: 16
271 <211> LENGTH: 54
272 <212> TYPE: PRT
273 <213> ORGANISM: Mus musculus
275 <400> SEQUENCE: 16
276 His Ser Glu Leu Ile Val Arg Ile Thr Ser Leu Glu Val Glu Asn Gln

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## RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 03/14/2006

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Input Set : A:\PTO.DA.txt

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:176; N Pos. 24,25,26,27,28,29,30,31,32

**VERIFICATION SUMMARY**

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Input Set : A:\PTO.DA.txt

Output Set: N:\CRF4\03142006\J538410.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:3136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176 after pos.:0